

APPENDIX

VOYAGE DATA RECORDER PERFORMANCE TEST REPORT

(Note: Insert **Yes** for success, **No** for failure or **N/A** for non-fitted interfaces in these boxes, as appropriate)

Yes **No** **N/A**

Ship's details

Ship's name	
Flag	
IMO number	
Date keel laid	
Gross tonnage	

Voyage data recorder details

Manufacturer	
Model	
System serial number	
Software version number	
Date fitted	

Inspection details

Name of person conducting testing	
Company	
Inspection date	
Inspection location	

1 Pre-existing alarms

Confirm that no alarms were present at start of procedure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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2 Power supply alarm check

Remove source of external power. Confirm that alarm is activated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Record time (hh.mm)			

3 Reserve power source check

Allow VDR to continue running for 1 hour 55 minutes from '2' above.

Confirm that equipment is still operating at this time, with no additional alarms.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Record time (hh.mm)			

4 Reserve power source shutdown check

2 hours 05 minutes from '2' above confirm that the VDR has automatically stopped recording.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Record time (hh.mm)			

5 Battery expiry dates

Battery	Expiry date (where applicable)			
Acoustic beacon		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reserve power source		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6 Acoustic beacon test

Using manufacturer's test equipment confirm that acoustic beacon is functional or by the substitution of a certified fully operational unit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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7 Overall condition of equipment

Inspect equipment and record condition, tick if satisfactory:

Sub unit	Notes on condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Protective capsule		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External cables		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Main unit		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8 Interfaces: Operation and recording

Date and time	Preferably external to ship (e.g. Global Navigation Satellite System.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ship's position	Electronic Positioning system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Speed (through water or over ground)	Ship's designated speed and distance measuring equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heading	Ship's compass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bridge audio	1 or more bridge microphones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communications Audio	VHF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radar data- post display selection	Master radar display (both radars, where applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ECDIS	ECDIS display in use, where fitted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AIS	All AIS data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rolling motion	Electronic inclinometer, where fitted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Configuration data	Where applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electronic logbook	Where fitted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water depth	Echo sounder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Main alarms	All mandatory alarms on bridge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rudder order and response	Steering gear and autopilot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engine order and response	Telegraphs, controls and thrusters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hull openings status	All mandatory status information displayed on bridge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Watertight and fire door status	All mandatory status information displayed on bridge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Acceleration and hull stresses	Hull stress and response monitoring equipment where fitted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wind speed and direction	Anemometer where fitted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9 Float-free capsule

Yes	No	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

For float-free capsules approved in accordance with resolution MSC.333(90): an examination according to MSC.1/Circ.1040/Rev.1 has been conducted.	
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10 Change or repair of sensors

Check maintenance records of VDR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confirm any defects properly rectified		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person authorized by the Manufacturer	Ship's representative			
Date	Date			

If the manufacturer does not complete a review and issue a completed test report within 45 days, this test report should go forward for certification.

11 Manufacturer's analysis

Note – This confirms the endorsement by the manufacturer of the tests and that the master record/database has been checked.

Manufacturer's analysis of 12-hour log is attached and in accordance with International Electrotechnical Commission (IEC) 61996 Maritime navigation and radiocommunication equipment and systems – Shipborne voyage data recorder (VDR) – Performance requirements – Methods of testing and required test results section 4.6 – Data items to be recorded (resolution A.861(20), section 5.4). Confirmation that all data is available throughout the 12-hour recording.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date and time of above log.			

12 Observations and additional manufacturer's requirements

Note – This specifically provides for the logging of significant events that may have occurred on board since the previous test, including the refitting of equipment or major unit change to existing equipment. – Any or all of which may have an impact on the availability or quality of the VDR/S-VDR input signal.

This performance test was conducted in accordance with SOLAS regulation V/18.8 and forms part of the procedure for the issue of the Annual Performance Test Certificate. The results, information and any comments should be relayed to the manufacturer in accordance with the instructions contained within

the Operation Manual. Subject to satisfactory results, an Annual Performance Test Certificate will then be issued.

In accordance with the principles of harmonization of Certificates, the Certificate, when issued, will remain valid until the next annual re-validation of that Certificate, subject to the equipment being maintained in appropriate operational condition.
